HP Touchsmart IQ816 PC Data Sheet

Datasheet

The next generation touch computer

The next-generation, touch-enabled PC combines a 25.5" diagonal hi-def[27] widescreen with a powerful energy efficient Intel® Core™2 Duo[28] processor in a single, integrated design. Includes HP TouchSmart software, webcam[29], media card reader, and premium speakers for fast, easy access to photos, videos, music and applications.

HP recommends Windows Vista® Home Premium.

Your digital life at your fingertips

- Touch-screen technology puts your digital life at your fingertips with fast, easy access to info, entertainment and social networks.[29]
- Next-generation HP TouchSmart software simplifies access to photos, videos, music and applications.
- Quick and easy touch access to your digital world.

The slim, stylish, next-generation PC

- Sleek, next-generation design combines a 25.5" diagonal hi-def1 widescreen with a powerful energy efficient Intel® CoreTM 2 Duo[28] processor.
- Plug one power cord into the wall and you're ready to go.
- Wireless keyboard and integrated WLAN[30] offer a truly wireless experience.
- Low profile wireless keyboard stows away when not in use, freeing up valuable desk space.
- Colored HP Ambient Light lets you select a color lighting to set a mood, or see your keyboard in the dark.
- Sleek piano black design with elegant espresso side-panel highlights.

Watch your photos, movies and music come to life

- Next generation HP TouchSmart software brings a new level of fun to your photos, videos and music.
- Watch your favorite shows on the integrated 25.5" diagonal hi-def[27] widescreen–makes for amazing slideshows too!
- Enjoy high quality sound through the integrated premium stereo speakers.
- Watch and burn your personal videos with the built-in DVD burner.[31]
- Add an additional hard drive (HP Pocket Media Drive[6]) easily and without any tools.

HP is committed to behaving in an environmentally responsible manner

HP is committed to reducing our own environmental impact, as well as that of our customers, partners and suppliers. We do this by providing products and services that are environmentally sound throughout their lifecycle and by conducting our operations in an environmentally responsible manner.

- All HP TouchSmart IQ 800 series PCs have earned ENERGY STAR® and EPEAT silver qualifications.
- All HP TouchSmart IQ 800 series PCs use HP power management technology providing up to 45% energy savings compared to PCs without power management enabled.[32]

Award winning service and support *(touchsmart)*

HP stands behind our products and protects your investment with award-winning service and support available around the clock by phone, e-mail, and online.[29]

- Every TouchSmart PC comes with special HP Total Care.
  - 24/7 service and support for the first year via our North America call center.
  - Dedicated toll-free telephone support at 1866.408.5408 in English and Spanish in the United States or English and French in Canada.
  - Real-time online chat.
  - E-mail, usually answered within one hour.
- A desktop icon offers one-click access to online technical support, troubleshooting and downloads.

All disclaimers are at the end of page 2.

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Specifications

Operating System	• Genuine Windows Vista® Home Premium 64-bit edition with Service Pack 1 - delivers premier performance, reliability, and enhanced security[1]
Processor	• Intel® Core™2 Duo Processor T8100[2]
Processor Speed	• 2.10GHz[2]
Chipset	• Intel® GM965 Express Chipset
Cache (L2)	• 3MB L2 Cache
Bus Speed	• 800MHz Front Side Bus
Memory	• 4GB PC2-5300 DDR2 SDRAM memory (2x2048MB)
Hard Drive	• 750GB 7200RPM SATA 3Gb/s hard drive[4]
Expandable Drive Bay	• HP Pocket Media Drive Bay[22]
Optical Drive(s)	• Slot-load Blu-ray player[6] & SuperMulti DVD burner[6] Read: 8x DVD±R, 6x DVD±RW, 6x DVD±R DL, 5x DVD-RAM, 2x BD-ROM, 8x DVD-ROM, 6x DVD-ROM DL, 24x CDR, 24x CDRW, 24x CD-ROM Write: 8x DVD±R, 4x DVD±RW, 4x DVD±R DL, 5x DVD-RAM, 16x CDR, 10x CDRW[6]
Video Graphics	• NVIDIA GeForce 9600 M GS HD graphics module with 512MB dedicated video memory and support for Blu-ray, and Microsoft® DirectX® 10. Up to 2303MB Total Available Graphics Memory as allocated by Windows Vista®.
Network Interface	• 10/100/1000BaseT network interface
Wireless Connectivity	• Wireless LAN (802.11b/g/n) with built-in WLAN antenna[19]; Integrated Bluetooth®
Audio	• Integrated High Definition Audio with 2.0 sound capabilities
Personal Video Recorder	• Dual-format NTSC or over-the-air ATSC high-definition TV tuner[17]
Remote Control	• HP Media Center remote control with IR (infrared) receiver
Memory Slots	• 2 SoDIMMs (200-pin)
Expansion Slots	• 1 PCI-E[24] x16 slot (MXM) (occupied); 2 PCI-E[24] x1 mini socket slots (occupied)
External Ports	• 5-in-1 memory card reader – supports Secure Digital (SD, SDHC), MultiMedia Card, Memory Stick, Memory Stick Pro and xD; 1 FireWire® (IEEE 1394) port (front); Headphone (front); Line-in (back); 5 USB 2.0 ports(2 front, 3 rear)(5 available); Line-out (back); Digital Audio Out (back)
Mouse and Keyboard	• HP low-profile wireless keyboard with numeric keypad • HP wireless optical mouse
Web Camera	• Integrated webcam
Integrated Display	• Touch-enabled 25.5" diagonal widescreen BrightView LCD with tilt adjustment • Built-in array microphone
Monitor Resolution	• 1920x1200
Dimensions	• Unpackaged: 26.04" (W) x 5.47" (L/D) x 19.63" (H) approx. • Packaged: 32.56" (W) x 9.72" (L/D) x 23.31" (H) approx.
Weight	• Unpackaged: 35.28 lbs approx. • Packaged: 58.00 lbs approx.
Lighting	• HP Ambient Light lets you set a mood, or see your keyboard in the dark
Warranty and Support	• **Service Options:** - Hardware: One year parts and labor from date of purchase - Software: 90 day technical toll-free phone assistance - Service Delivery: Customer Replaceable Parts; Return to hp for repair; Authorized Service Provider. For information, visit www.hp.com/support
Warranty and Support (cont.)	• **Support Options:** - Desktop icon provides one click access to built-in desktop Help and Support Center - Easy, online(4) access to questions, answers and troubleshooting information via www.hp.com/support - Direct, knowledgeable assistance available 24/7 toll-free by phone. • **Extended Service Plans:** - You can choose from a variety of Extended Service Plans from HP to meet your individual needs by calling 1-866-234-1377 or by going to www.hp.com/go/totalcare
Accessories	• Cleaning Cloth

Software

TouchSmart Software	• HP TouchSmart Music - Create playlists with your favorite music • HP TouchSmart Video - Watch, record and upload[10] your personal videos using touch • HP TouchSmart Photo - Share your fun and memorable moments in life with family and friends • HP TouchSmart RSS Feeds - Get the latest news right at your fingertips[10] • HP TouchSmart Browser - Browse the web in a whole new way[10] • HP TouchSmart Calendar - Manage your busy schedule and stay in touch with family • HP TouchSmart Notes - Quick and easy text and voice notes right at your fingertips
Photo and Video	• muvee autoProducer: Automatically create professional looking home videos and burn to DVD • DVD Play BD: Watch Blu-ray DVD movies
Entertainment	• CyberLink DVD Suite Deluxe: Make movies and slideshows and burn to DVD or CD[13] • CyberLink DVD Suite Premium: Make movies and slideshows and burn to DVD or CD[13] • CyberLink YouCam: Chat with video and upload your personal webcam videos to YouTube[13b]
Productivity	• Microsoft® Works 9: Includes a word processor, spreadsheet, database and calendar • Adobe® Reader 8.0: Read and print PDF file • HP Total Care Advisor: Customizable desktop tool provides support, system health and shopping information
PC Security	• Includes Norton Internet Security™ 2008. Protects your PC and your identity when you email, bank and shop online. 60 days of protection updates included.[11]
Online Services	• Easy sign-up to major dial-up and broadband Internet Service Providers: [15] - High Speed Internet Services Comparison Shopping

Additional information

Product number	• FK783AA#ABA
Ad embargo date	• 10/12/2008
UPC code	• 884420205739
Country of origin	• China
Tariff number	• 8471500085
Pallet information	• Dimensions: 40.00"(L) x 48.00"(W) x 87.80"(H/D) approx. • Total weight: 1073.75 LBS • Layers: 4 • Products per layer: 5 • Total products per pallet: 20

HP recommends Windows Vista® Home Premium.

Visit www.hp.com/go/touchsmart for more details!

[1] Certain Windows Vista product features require advanced or additional hardware. See www.microsoft.com/windowsvista/getready/hardwarereqs.mspx and www.microsoft.com/windowsvista/getready/capable.mspx for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit www.windowsvista.com/upgradeadvisor. [2] Intel® Core™2 Duo Processor T8100, 2.10GHz, 3MB L2 Cache, 800MHz Front Side Bus. Intel's numbering is not a measurement of higher performance. Dual/Quad Core is a new technology designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See www.intel.com/info/em64t for more information. [4] For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 12GB of storage space is reserved for the system recovery software. [6] Actual speeds may vary. 24X Max CD-ROM Drive data transfer rates up to 3600 KB/s. 48X Max CD-ROM Drive transfers data at a rate up to 7200 KB/s. 24X Max DVD/CD-RW Combo Drive data transfer rates may vary as follows: for recording to CD-R media, for reading CD media, the max transfer rate may be up to 3600 KB/s; for reading DVD media, the max transfer rate may be up to 10,800 KB/s. 48X Max DVD/CD-RW Combo Drive data transfer rates vary up to 7200 Kbps. [6] As HD DVD and Blu-ray are new formats containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some HD-DVD and Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. Some HD DVD and Blu-ray advanced features may not be supported. CPU power is dedicated to support HD DVD and Blu-ray playback functions. It is recommended that you close all other applications before and during HD DVD and Blu-ray playback. HD DVD and Blu-ray movies will only play through the HD DVD and Blu-ray player software. Advanced Access Content System (AACS) keys are integrated into your PC for copy protection purposes. Occasional renewal of the AACS key is required, and easily done by connecting to the internet. Data transfer rates up to 6,000 KB/s (CD read/write), 21,632 KB/s (DVD read/write), 26,340 KB/s (BD read) and 13,383 KB/s (HD DVD read). [10] Internet access required and sold separately. [11] Internet access required. First 60 days included; subscription required for live updates afterwards. [12] Internet access may be required. [13] Intended for your original content and other lawful uses. Do not copy copyright-protected materials. [13b] Internet access required and sold separately. Instant messaging software required. [14] The Microsoft® Office Home and Student Edition 2007 is a trial version; functionality is reduced after 60 days. The full version is sold separately. [15] Internet access requires payment of additional fees or subscription for use. Offer does not include local telephone company charges, if any, or applicable taxes. Any long distance charges incurred will be the responsibility of the customer. Please make sure your access number is local. A valid credit card is required to initiate the service. This offer valid in the U.S.A. only. Additional terms and conditions may apply, see AOL offer for details. [17] ATSC high-definition (HD) and NTSC source content varies and will depend on broadcast signal, antenna, geographic location and other factors. An external over-the-air antenna that receives UHF and VHF signals is required for ATSC reception. Viewing HD content will require a compatible high-definition display. Ability to record, edit, or transfer broadcast content such as TV programming may be limited depending on the type of content. Performance issues may arise, and do not constitute defects in the product. For optimal results, HP recommends closing all other applications while recording and watching television programs. [19] Wireless access point and Internet service sold separately. The specifications for the 802.11n WLAN are draft specifications and are not final. This may affect the ability of the PC to communicate with other 802.11n WLAN devices. [22] HP Pocket Media Drive sold separately. [24] Power supply upgrade may be required for graphics card upgrade, check with graphics card supplier. [26] Based on highest volume of PCs sold. Source: IDC's Worldwide Quarterly PC Tracker, December 2007. [27] Up to 30% performance increase versus GeForce 9300GE without hSLI and GeForce 8200 gfx chipset. Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs. [28] Dual Core is a new technology designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations.See www.intel.com/info/em64t for more information. [29] Internet access required. [30] Wireless access point and Internet service sold separately. [31] Don't copy copyright-protected materials. [32] According to estimates made using EPA statistics comparing PCs with and without power management. For more information see: http://www.energystar.gov/ia/business/bulk_purchasing/bpsavings_calc/Calc_computers.xls. [33] Paper based cushioning materials are used for most standard palletized shipments; foam cushions are still used for some harsh and parcel shipments. [34] Percent reduction based on comparison to an HP Pavilion a6000 PC and HP w2207 monitor bundle.

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